

# **LED LIGHT SOURCE HAVING A HEAT SINK**

## **Abstract**

A light emitting diode (LED) light source includes a printed circuit board, a heat sink, a plurality of heat conductors, and at least one LED chip. The printed circuit board (PCB) has a plurality of holes. The heat sink connects under the PCB for conducting heat. Each heat conductor is formed on the heat sink corresponding to each hole of the PCB for conducting heat, and each heat conductor has a basin on the topside. The LED chip is attached to the basin of the heat conductor.